

PowerScan™ LR & XLR

Industrial Bar Code Scanners



Ideal for:

- Forklift Scanning Applications
- Warehousing & Outdoor Use
- Inventory Control
- Heavy-Duty Manufacturing

Features:

- Operating range from 13 cm / 5" to 11 m / 36'
- Robust for tough industrial applications
- Flexible & extensive interface capabilities
- Positive trigger feedback for gloved hand operation
- Integrated metal tether hook
- Programmable beeper tone & volume
- Variety of flexible mounting & storage accessories available

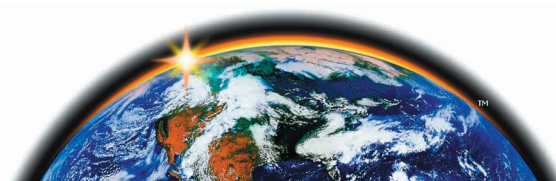
The Premier Long Range & Extra Long Range Industrial Performance

The PowerScan LR and XLR scanners have been specifically designed "from the ground up" to meet the demands of tough industrial applications – especially where some labels are scanned up close and others at great distances. The PowerScan LR will read a standard 13 mil UPC label as close as 18 cm / 7" and a 100 mil reflective label 671 cm / 22' away. With the XLR model you can read 15 mil labels as close as 71 cm / 28" and 100 mil reflective labels as far away as a whopping 11 m / 36'.

In any long-range application, you can rely on either the PowerScan LR or XLR for fast, accurate bar code reading of both paper and reflective labels. PSC's QuadraLogic™ II decoding software enables users to successfully read most dirty, smudged and damaged labels...labels that were previously considered unreadable.

Dependable In The Harshest Conditions

Even in the harshest working environments, you can depend on the PowerScan LR & XLR to keep on working. Designed to meet the most stringent drop specification in the industry, the scanner will withstand multiple 6.5' / 2 m drops to concrete. Even dust and moisture won't phase it. In fact, the PowerScan LR and XLR scanners have a rating of IP54, which means they meet or exceed the sealing rating of every portable host terminal on the market. And don't worry about weather conditions – the PowerScan LR and XLR scanners operate in bone-chilling blizzards, down to -30°C / -22°F and scorching desert heat, up to 50°C / 122°F.



Specifications

PowerScan™ LR & XLR

PRODUCT

Mechanical

Dimensions: 6.9 x 11.2 x 18.3 cm / 2.7 x 4.4 x 7.2"

Weight

Scanner: 280 g / 9.9 ozs.
Cable (32"/81 cm): 176 g / 6.2 ozs.

Cable length option

Collapsed: 81 cm / 32",
Max. Working: 183 cm / 72";
Collapsed: 203 cm / 80",
Max. Working: 305 cm / 120"

(For other cable options, contact your PSC sales representative.)

Electrical

Operating voltage: 4 VDC to 14 VDC

Operating current – nominal

Undecoded: 95mA @ 5 VDC

Decoded: 100mA @ 5 VDC

Idling current – low power mode:

<50µA @ 5 VDC

Optical

Light source: Extra Bright 650nm Visible Laser Diode (VLD)

Scan system: Frictionless lifetime flexure mechanism

Rate: 37 scans/sec. nominal

Depth-of-field: Refer to chart on this page

Print contrast ratio: 25% minimum

Pitch: ±65°

Skew: ±55°

Ambient light immunity

Artificial light: 12912 Lux / 1,200 foot candles
Sunlight: 86080 Lux / 8,000 foot candles

Environmental

Temperature rating

Operating: -30° to 50° C / -22° to 122° F

Storage: -40° to 70° C / -40° to 158° F

Humidity: 5 to 95% NC

Shock (at 23°C): withstands multiple 2 m / 6.5' drops to concrete

Vibration: meets MIL-STD-810E

Water & Dust: IEC529 rating IP54DW

Decoding Capability

(autodiscriminates between)

UPC A, E / EAN 8,13 / JAN 8,13

(P2 / P5, Code 128 EAN add-ons)

Code 128

Codabar

Code 39

Interleaved 2 of 5

Code 39 Full ASCII

Standard 2 of 5

Code 93

MSI / Plessey

Pharmacode 39

BC412 (available upon request)

Communications

Undecoded: Standard and Intermec-compatible

Multi-interface modules (interchangeable, AutoSelect™ cable determines active interface):

RS232C / Standard Keyboard Wedge /

Wand Emulation

Universal Keyboard Wedge / RS232*

IBM 46XX / RS232C

*This RS232 interface only supports RXD and TXD, no control signals are available.

Safety & Regulatory

Electrical: Complies to Gost R; TÜV; UL; cUL

Emissions: Complies to FCC-A; EN 55022-B

BCIQ CNSI3438; AS/NZS 3548; VCCI-B

Laser classification: CDRH Class II (LR),

CDRH Class IIIA (XLR);

(CAUTION: Laser Light –

Avoid direct eye exposure);

IEC 60825 Class 2 (LR & XLR)



Depth-of-Field Chart – (printing resolution, contrast and ambient light dependent)			
Label Density	Long Range (decoded, Code 39)		Extra Long Range (decoded, Code 39)
	Range		Range
Paper Labels	7.5 mil	20 to 33 cm / 8" to 13"	
	10 mil	18 to 50 cm / 7" to 20"	
	15 mil	18 to 80 cm / 7" to 32"	101 to 152 cm / 3.3' to 5.0'
	20 mil	13 to 122 cm / 5" to 4'	71 to 183 cm / 2.3' to 6.0'
	40 mil	20 to 213 cm / 8" to 7'	71 to 366 cm / 2.3' to 12.0'
Reflective Labels	55 mil	38 to 274 cm / 15" to 9'	101 to 457 cm / 3.3' to 15.0'
	40 mil	56 to 254 cm / 22" to 8.3'	101 to 457 cm / 3.3' to 15.0'
	70 mil	101 to 457 cm / 3.3' to 15.0'	204 to 730 cm / 6.7' to 24.0'
	100 mil	116 to 671 cm / 3.8' to 22.0'	204 to 1097 cm / 6.7' to 36.0'

Accessory mounts also available



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Specifications are subject to change without notice.

Additional information concerning this product or other PSC products

and services can be found at the PSC website: www.pscnet.com

or contact your PSC representative for more information.

